

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 July 2005 (28.07.2005)

PCT

(10) International Publication Number
WO 2005/067734 A3

(51) International Patent Classification⁷: **A23L 1/229**,
C12P 19/30

(21) International Application Number:
PCT/EP2005/000120

(22) International Filing Date: 6 January 2005 (06.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04075072.1 9 January 2004 (09.01.2004) EP

(71) Applicant (*for all designated States except US*): DSM
IP Assets B.V. [NL/NL]; Het Overloon 1, NL-6411 TE
HEERLEN (NL).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **NOORDAM**,
Bertus [NL/NL]; Brederolaan 26, NL-2692 DA 's-Graven-
zande (NL). **KORTES, Jan, Gerrit** [NL/NL]; van Daat-
selaarhof 18, NL-3833 HV Leusden (NL).

(74) Agents: **VAN HEUVEL**, Margaretha et al.; DSM In-
tellectual Property, Delft Office (600-0240), P.O. Box 1,
NL-2600 MA DELFT (NL).

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report*
- *before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments*

(88) Date of publication of the international search report:
27 October 2005

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: PROCESS FOR THE PRODUCTION OF COMPOSITIONS CONTAINING RIBONUCLEOTIDES AND THEIR USE
AS FLAVOURING AGENTS

(57) Abstract: The present invention describes a process to produce a composition containing 5'-ribonucleotides wherein a mi-
croorganism is subjected to autolysis under conditions at which a substantial part of the RNA remains in a form degradable into
5'-ribonucleotides and at which a substantial part of the RNA remains associated with the cell wall fraction. Said cell wall fraction
is recovered by a solid/liquid separation method and the RNA associated with said wall fraction is converted into 5'-ribonucleotides.
The present invention also describes compositions containing 5'-ribonucleotides and their use in food or feed.



WO 2005/067734 A3